



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/647,952

08/26/2003

Ismail Onder

175.7902USU

3593

7590

10/06/2004

Paul D. Greeley, Esq.
Ohlandt, Greeley, Ruggiero & Perle, L.L.P.
10th Floor
One Landmark Square
Stamford, CT 06901-2682

EXAMINER

PHAM, LEDA T

ART UNIT

PAPER NUMBER

2834

DATE MAILED: 10/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary**Application No.**

10/647,952

Applicant(s)

ONDER ET AL.

Examiner

Leda T. Pham

Art Unit

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 August 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>12/18/03</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Preliminary Amendment

1. Preliminary Amendment filed on 8/26/03 has been entered and made of record in the file.
Claims 1 – 12 are presented for examination.

Specification

2. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

3. The abstract of the disclosure is objected to because the abstract uses legal phraseology "comprise". Correction is required. See MPEP § 608.01(b).

Claim Objections

4. Claims 1, 7 – 8, and 10 are objected to because of the following informalities: in claims 1 and claim 8, "the outer circumference", "the secure radial", and the mounting direction" lack of antecedent basis. It is also the same problem with "the guiding projections" in claim 7, and "the front retaining projections" in claim 8. Appropriate correction is required.

Claim Rejections - 35 USC § 112

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Art Unit: 2834

6. Claims 5 – 8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

“A guiding chamber” in claims 5 – 6 is indefinite because the specification and the drawing do not recite a guiding chamber. The subject matter has to disclose in the specification with clearly written description to support the claim.

In claim 6, “that side” of the pole ring is vague because there is unclear which side of the pole ring is recited. Applicant needs to clearly define the side of the pole ring located in front in mounting direction. In drawing 4, the mounting direction defined by line 38, therefore it cannot clear to define which way is “front in mounting direction” in claim 6, or “behind in mounting direction” in claim 8.

In claim 7, the subject matter “guiding projections” is lacked of antecedent basis. “The guiding projections extends over half the length of the pole ring at maximum” is indefinite because the subject matter is unclear. What is at maximum? Does the pole ring extend at maximum or the guiding projections?

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 1 – 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Yoshida (U.S. Patent No. 5,507,730).

Art Unit: 2834

Referring to claim 1, Yoshida teaches a pole ring (figure 1), particularly for a D.C. motor, with several retaining projections (8b, 8c,) provided at the outer circumference, for the secure radial (the projection 8b) and axial (the projection 8c) retainment in a motor housing (2), the retaining projections comprising a retaining surface pointing oppositely to the mounting direction (the surface of projection 8b).

Referring to claim 2, Yoshida teaches the pole ring wherein said retaining surfaces (the surface of projection 8b) have a sharp edge pointing outward (figure 4c).

Referring to claim 3, Yoshida teaches the pole ring wherein said retaining surfaces extend substantially radially (figure 4c).

Referring to claim 4, Yoshida teaches the pole ring wherein said retaining projections extend in longitudinal direction (figure 4b).

Referring to claim 5, Yoshida teaches the pole ring wherein each of the retaining projections has a guiding chamber (the guiding chamber of projection 8b for bolt 7, figure 1).

Referring to claim 6, Yoshida teaches the pole ring further comprising a guiding chamber provided at the side of the pole ring located in front in mounting direction (figure 1).

Referring to claim 7, Yoshida teaches the pole ring wherein each of the retaining projections extends over half the length of the pole ring at maximum (figure 4b).

Referring to claim 8, Yoshida teaches the pole ring wherein all retaining projections of the pole ring located behind in mounting direction are angularly offset with respect to the front retaining projections in circumferential direction (figure 4c).

Referring to claim 9, Yoshida teaches the pole ring wherein at least two retaining projections are mutually offset in circumferential direction of the pole ring (8b and 8c).

Art Unit: 2834

Referring to claim 10, Yoshida teaches an electric motor (figure 1), comprising a rotor (5) arranged in a housing (2) and a pole ring, particularly for a D.C. motor, with several retaining projections (8b, 8c) provided at the outer circumference, for the secure radial (8b) and axial (8c) retainment in a motor housing (2), the retaining projections comprising a retaining surface (the surface of projection 8b) pointing oppositely to the mounting direction, surrounding the rotor (5).

Referring to claim 11, Yoshida teaches the electric motor wherein a bearing (the ball bearing) arranged in the housing (2), for bearing the rotor shaft, and a retaining disc (the plate 8) for fixing the position of the bearing, the pole ring fixing the retaining disc (figure 1).

Referring to claim 12, Yoshida teaches the electric motor wherein said retaining disc comprises an inner portion contacting the bearing and an outer portion contacting the pole ring (the plate ring 8, figure 2).

Conclusion

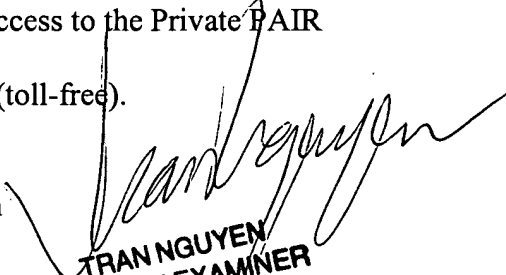
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leda T. Pham whose telephone number is (571) 272-2032. The examiner can normally be reached on M-F (8:30-6:00) first Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on (571) 272-2044. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2834

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Leda T. Pham
Examiner
Art Unit 2834



TRAN NGUYEN
PRIMARY EXAMINER

LTP
September 30, 2004